CLAIMS

1. An electronic apparatus which is connected to another apparatus by a digital communication bus and performs transmission and reception of data through said digital communication bus, comprising:

a display unit; and

a control unit for controlling the operation of said display unit,

wherein said control unit detects whether said another apparatus and said digital communication bus are connected so as to form a loop or not, and when a result of said detection indicates that they are connected so as to form said loop, said control unit allows said display unit to perform a warning display.

2. An electronic apparatus according to claim 1, wherein said control unit detects whether they are connected so as to form the loop or not by discriminating whether processes which are executed after a bus reset was generated have been finished within a predetermined period or not.

3. An electronic apparatus according to claim 2, wherein when the processes which are executed after the bus reset was generated are not finished within the predetermined period, said control unit detects that they are connected so as to form said loop and allows said display unit to perform said warning display.

4. An electronic apparatus according to claim 2,

wherein when the processes which are executed after the bus reset was generated are finished within the predetermined period, said control unit detects that they are not connected so as to form said loop and does not allow said display unit to perform said warning display.

5. An electronic apparatus according to claim 1, wherein said digital communication bus is an IEEE1394 serial bus.

6. A data communicating method whereby a plurality of electronic apparatuses are connected by a digital communication bus and transmission and reception of data are performed through said digital communication bus, comprising the steps of:

detecting whether another apparatus among said plurality of electronic apparatuses and said digital communication bus are connected so as to form a loop or not in at least one of said plurality of electronic apparatuses; and

when it is detected that said digital communication bus is connected to said another apparatus so as to form said loop, allowing a warning display to be performed.

7. A data communicating method according to claim 6, wherein whether they are connected so as to form the loop or not is detected by discriminating whether processes which are executed after a bus reset

was generated have been finished within a predetermined period or not.

8. A data communicating method according to claim 7, wherein when the processes which are executed after the bus reset was generated are not finished within the predetermined period, it is detected that they are connected so as to form said loop and said display unit is allowed to perform said warning display.

9. A data communicating method according to claim 7, wherein when the processes which are executed after the bus reset was generated are finished within the predetermined period, it is detected that they are not connected so as to form said loop and said display unit is not allowed to perform said warning display.

10. A data communicating method according to claim 6, wherein said digital communication bus is an IEEE1394 serial bus.

11. An electronic apparatus which is connected to another apparatus by a digital communication bus and performs transmission and reception of data through said digital communication bus, comprising a control unit for controlling the operation of said apparatus,

wherein said control unit detects whether said another apparatus and said digital communication bus are connected so as to form a loop or not, and when a result of said detection indicates that they are

connected so as to form said loop, said control unit generates a control signal for allowing a warning display to be performed.

12. An electronic apparatus according to claim 11, wherein said control unit detects whether they are connected so as to form said loop or not by discriminating whether processes which are executed after a bus reset was generated have been finished within a predetermined period or not.

13. An electronic apparatus according to claim 12, wherein when the processes which are executed after said bus reset was generated are not finished within the predetermined period, said control unit detects that they are connected so as to form said loop, and generates said control signal for allowing said warning display to be performed.

14. An electronic apparatus according to claim 12, wherein when the processes which are executed after the bus reset was generated are finished within the predetermined period, said control unit detects that they are not connected so as to form said loop and does not generate said control signal for allowing said warning display to be performed.

15. An electronic apparatus according to claim 11, wherein said digital communication bus is an IEEE1394 serial bus.

16. A data processing method for an electronic

apparatus which is connected to another electronic apparatus by a digital communication bus and performs transmission and reception of data through said digital communication bus,

wherein said control unit detects whether said another apparatus and said digital communication bus are connected so as to form a loop or not, and when a result of said detection indicates that they are connected so as to form said loop, said control unit generates a control signal for allowing a warning display to be performed.

17. A data processing method for an electronic apparatus according to claim 16, wherein whether they are connected so as to form the loop or not is detected by discriminating whether processes which are executed after a bus reset was generated have been finished within a predetermined period or not.

18. A data processing method for an electronic apparatus according to claim 17, wherein when the processes which are executed after the bus reset was generated are not finished within the predetermined period, it is detected that they are connected so as to form said loop and said control signal for allowing said warning display to be performed is generated.

19. A data processing method for an electronic apparatus according to claim 17, wherein when the processes which are executed after the bus reset was

generated are finished within the predetermined period, it is detected that they are not connected so as to form said loop and said control signal for allowing said warning display to be performed is not generated.

20. A data processing method for an electronic apparatus according to claim 16, wherein said digital communication bus is an IEEE1394 serial bus.